Rec'd PST/PTO 03 JUN 2005

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/11848

<i>D</i> .	<u> </u>					
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ C23C16/18, C07C11/12, C07C13/263, C07C53/124, C07C53/18						
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Minimum do Int.	ocumentation searched (classification system followed local C1 ⁷ C23C16/18, C07C11/12, C07C	by classification symbols) 13/263, C07C53/124, C0	7C53/18			
Jitsu	ion searched other than minimum documentation to the tyo Shinan Koho 1922–1996 Jitsuyo Shinan Koho 1971–2003	extent that such documents are included Jitsuyo Shinan Toroku Koh Toroku Jitsuyo Shinan Koh	0 1996-2003			
	ata base consulted during the international search (nam ILE (STN)	e of data base and, where practicable, sea	rch terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.			
Х .	JP 2002-212112 A (Tanaka Kikinzoku Kogyo Kabushiki Kaisha), 31 July, 2002 (31.07.02), Claims; Par. No. [0019]; table 2 (Family: none)		1,2			
A	JP 11-35589 A (Kojundo Chemi Ltd.), 09 February, 1999 (09.02.99), Full text & US 6207232 B1	1,2				
. A	JP 2002-231656 A (Hitachi, Ltd.), 16 August, 2002 (16.08.02), Claim 11 & US 2002/102826 A1		1,2			
	·					
	er documents are listed in the continuation of Box C.	See patent family annex.				
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O". document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 09 December, 2003 (09.12.03) "T" later document published after the international fill priority date and not in conflict with the application understand the principle or theory underlying the international filling document of particular relevance; the claimed invectorsidered novel or cannot be considered to involve at inventive step when the document of particular relevance; the claimed invectorsidered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invectorsidered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invectorsidered novel or cannot be considered novel or cannot be con						
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer				
Facsimile N		Telephone No				



INTERNATIONAL SEARCH REPORT

International application No. PCT/JP03/11848

Category*	Citation of document, with indication, wh	Relevant to claim No.		
А	JP 2002-145892 A (Tanaka Kabushiki Kaisha), 22 May, 2002 (22.05.02), Claims (Family: none)	Kikinzoku Kogyo		1,2
A	EP 717451 A2 (NIPPON OIL 19 June, 1996 (19.06.96), Page 9, lines 38 to 53 & JP 8-167728 A Par. No. [0020] & US 5620531 A	CO., LTD.),		1,2
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